IN THE CLAIMS

The following is a complete listing of the claims. This listing replaces all earlier versions and listings of the claims.

Claim 1 (previously presented): A network apparatus comprising:

a receiving unit adapted to receive data from a network by using a predetermined protocol;

a detecting unit adapted to detect a predetermined value in a packet header of the data received by said receiving unit, the packet header being provided for the predetermined protocol; and

a setting unit adapted to set a destination logic address of the received data as a logic address of said network apparatus in a case where the predetermined value is detected by said detecting unit and a destination physical address of the received data and a physical address of said network apparatus are the same.

Claim 2 (previously presented): An apparatus according to claim 1, wherein, in a case where the destination logic address of the received data and the logic address of said network apparatus differ, the destination physical address of the received data and the physical address of said network apparatus are the same, and the predetermined value is detected by said detecting unit, said setting unit sets the destination logic address of the received data as the logic address of said network apparatus.

Claim 3 (canceled)

Claim 4 (previously presented): An apparatus according to claim 1, wherein the physical address is a media access control address, and the logic address is an Internet protocol address.

Claim 5 (canceled)

Claim 6 (previously presented): An apparatus according to claim 4, wherein the received data is an ICMP echo message by an ICMP protocol and the predetermined value indicates a data length of the ICMP echo message.

Claim 7 (canceled)

Claim 8 (previously presented): An apparatus according to claim 1, wherein the predetermined value indicates a TTL value of the received data.

Claim 9 (previously presented): A network apparatus comprising:

a receiving unit adapted for receiving an ICMP echo message;

a data length detecting unit adapted for detecting a data length in a packet header of the ICMP echo message received by said receiving unit; and

a setting unit adapted for setting a destination IP address of the received ICMP echo message as an IP address of said network apparatus if the data length has a specific value and a destination MAC address of the received ICMP echo message and a MAC address of said network apparatus are the same.

Claim 10 (previously presented): An apparatus according to claim 9, wherein if the destination IP address of the received ICMP echo message and the IP address of said network apparatus differ and the destination MAC address and the MAC address of said network apparatus are the same, said setting unit sets the address of said network apparatus in accordance with the detected data length.

Claim 11 (canceled)

Claim 12 (previously presented): A method of controlling a network device comprising:

a receiving step, of receiving data from a network by using a predetermined protocol;

a detecting step, of detecting a predetermined value in a packet header of the received data, the packet header being provided for the predetermined protocol; and

a setting step, of setting a destination logic address of the received data as a logic address of the network device in a case where the predetermined value is detected in said detecting step and a destination physical address of the received data and a physical address of the network device are the same.

Claim 13 (previously presented): A method according to claim 12, wherein, in a case where the destination logic address of the received data and the logic address of the network device differ, the destination physical address of the received data and the physical

address of the network device are the same, and the predetermined value is detected in said detecting step, said setting step sets the destination logic address of the received data as the logic address of the network device.

Claim 14 (canceled)

Claim 15 (previously presented): A method according to claim 12, wherein the physical address is a media access control address, and the logic address is an Internet protocol address.

Claim 16 (canceled)

Claim 17 (previously presented): A method according to claim 15, wherein the received data is an ICMP echo message by an ICMP protocol and the predetermined value indicates a data length of the ICMP echo message.

Claim 18 (canceled)

Claim 19 (previously presented): A method according to claim 12, wherein the predetermined value indicates a TTL value of the received data.

Claim 20 (previously presented): A method of controlling a network device comprising:

a receiving step, of receiving an ICMP echo message;

a data length detecting step, of detecting a data length in a packet header of the received ICMP echo message; and

a setting step, of setting a destination IP address of the received ICMP echo message as an IP address of the network device if the data length has a specific value and a destination MAC address of the received ICMP echo message and a MAC address of the network device are the same.

Claim 21 (previously presented): A method according to claim 20, wherein in said setting step, if the destination IP address of the received ICMP echo message and the IP address of the network device differ and the destination MAC address and the MAC address of the network device are the same, the address of the network device is set in accordance with the detected data length.

Claims 22-33 (canceled)

Claim 34 (previously presented): A network device control program comprising:

code for a receiving step, of receiving data from a network by using a predetermined protocol;

code for a detecting step, of detecting a predetermined value in a packet header of the received data, the packet header being provided for the predetermined protocol; and

code for a setting step, of setting a destination logic address of the received data as a logic address of the network device in a case where the predetermined value is detected in said detecting step and a destination physical address of the received data and a physical address of the network device are the same.

Claims 35-44 (canceled)

Claim 45 (previously presented): A network apparatus comprising:

a receiving unit adapted to receive data from a network by using a predetermined protocol;

a detecting unit adapted to detect a predetermined value in a packet header of the data received by said receiving unit, the packet header being provided for the predetermined protocol; and

a setting unit adapted to set a factory-based value in a case where the predetermined value is detected by said detecting unit and a destination physical address of the received data and a physical address of the network apparatus are the same.

Claim 46 (previously presented): An apparatus according to claim 45, wherein said setting unit sets the factory-based value if the destination physical address of the received data and the physical address of said network apparatus are the same and the predetermined value is detected by said detecting unit.

Claim 47 (previously presented): A network apparatus comprising:

a receiving unit adapted to receive data from a network by using a predetermined protocol; and

a setting unit adapted to set a destination logic address of the received data as a logic address of the network address in a case where a destination physical address of the received data is equal to a physical address of said network apparatus and an attribute in a packet header of the received data has a specific value, the packet header being provided for the predetermined protocol.

Claim 48 (previously presented): An apparatus according to claim 47, wherein the logic address is an Internet protocol address and the physical address is a media access control address.

Claim 49 (currently amended): A network apparatus comprising:

a receiving unit adapted to receive data from a network by using a predetermined protocol;

a detecting unit adapted to detect a predetermined value in a packet header of the data received by said receiving unit, the packet header being provided for the predetermined protocol; and

a setting unit adapted to set a first destination address of the received data as ~~a logic~~ an address of said network apparatus in a case where the predetermined value is detected by said detecting unit and a second destination address of the received data and an address unique to said network apparatus are the same,

wherein the first and second destination addresses differ from each other.